

M.S. in Biomedical Engineering

The M.S. program will include:

- 19 credit hours of core biomedical engineering courses
- 3 credit hours of technical electives
- 2 credit hours of seminars, with additional BME 5001 seminar courses recommended each semester in the program and a maximum of four
- 6 thesis credit hours

Applicants from countries where English is not the first language are required to demonstrate English proficiency. Please consult the graduate school (<http://catalog.utep.edu/admissions/graduate/graduate-student/>) website for required scores.

Degree Plan

Required Credits: 30

Code	Title	Hours
MS in Biomedical Engineering (All courses require a grade of C or better)		
Required Courses:		
BME 5101 & BME 5102	Research Seminar I and Research Seminar II	2
BME 5001	Graduate Seminar	0
BME 5305	Physiology for Biomedical Eng	3
BME 5192	Clinical Rotations for Eng	1
BME 5196	Medical Device Practicum	1
BME 5301	BME for Global Health	3
BME 5304	BME Device Design & Regulation	3
DRSC 5495	Anatomy for Health Sciences	4
BME 5314	BME Entrepreneurship	3
BME 5193	Graduate Clinical Research	1
Thesis/Non-Thesis Option:		
Select one sequence below:		
Thesis Option:		
BME 5398 & BME 5399	Thesis and Thesis	
Select three additional hours of graduate work		
Non-Thesis Option:		
BME 5394 or BME 5395	Graduate Research Project or Internship	
An exit examination is required for the non-thesis option; thesis defense is required for the thesis option.		
Select six additional hours from one of the following tracks		
Total Hours		30

Tracks

Biomedical Devices Track

Code	Title	Hours
BME 5302	Telemedicine & Imaging Info.	3
BME 5351	Physiological Measurements	3
BME 5353		3
Total Hours		9

Regenerative Medicine Track

Code	Title	Hours
BME 5310	Biomaterials	3
BME 5312		3
BME 5313	Tissue Engineering	3
Total Hours		9

Rehabilitation Track

Code	Title	Hours
BME 5320		3
BME 5321	Biomechanics	3
BME 5323		3
Total Hours		9